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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23688

7590

03/30/2004

EXAMINER

Bruce E. Harang PO BOX 872735

VANCOUVER, WA 98687-2735

LEE, KYUNG S

ART UNIT PAPER NUMBER

2832

DATE MAILED: 03/30/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,550	12/20/2003	Eduard Torrens	04652	1549

TITLE OF INVENTION: ELECTRIC SWITCH

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/30/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where m

appropriate. All further co	rrespondence including the l below or directed otherwise	Patent, advance or	ders and not	ification	of maintenance fees v	will be mailed to the current; and/or (b) indicating a separate	correspondence address as	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)				<u>-</u>	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
Bruce E. Harang PO BOX 872735 VANCOUVER, W	590 03/30/2004 /A 98687-2735				Cell hereby certify that the States Postal Service addressed to the Mai	e of mailing or transmission.  rtificate of Mailing or Trans  nis Fee(s) Transmittal is bein  with sufficient postage for fir  il Stop ISSUE FEE address  'TO, on the date indicated bel	g deposited with the United st class mail in an envelope above, or being facsimile	
							(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAME	D INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/707,550	12/20/2003	Eduard Torrens				04652	1549	
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nonprovisional	NO	\$1330	)		\$300	\$1630	06/30/2004	
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LEE, K	YUNG S	2832			200-512000	•		
Address form PTO/SB/I  "Fee Address" indicat PTO/SB/47; Rev 03-02 Number is required.  3. ASSIGNEE NAME ANI PLEASE NOTE: Unless	ion (or "Fee Address" Indicator more recent) attached. Use D RESIDENCE DATA TO B at an assignee is identified bed to the USPTO or is being seed to the USPTO	tion form e of a Customer  BE PRINTED ON 1 low, no assignee d submitted under se	agents Ol firm (hav agent) an attorneys will be pro- FHE PATEN ata will appe parate cover.	R, alternating as a d the na or agent inted.  T (print car on the Complet	patent. Inclusion of a	of a single attorney or 2 ered patent d, no name 3 essignee data is only appropri T a substitute for filing an ass	ate when an assignment has ignment.	
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(Authorized Signature)		(Date)						
NOTE; The Issue Fee an other than the applicant; interest as shown by the re	d Publication Fee (if requir a registered attorney or ag ecords of the United States Pa	red) will not be ac ent; or the assignatent and Trademar	cepted from ee or other p	anyone party in				
completed application for case. Any comments on suggestions for reducing Patent and Trademark 22313-1450. DO NOT SEND TO: Commissioner	ation is required by 37 CFR by the public which is to figure of the public which is to figure of the public which is to complete, including gram to the USPTO. Time with amount of time you this burden, should be sent Office, U.S. Department SEND FEES OR COMPLETED OF THE Public of the public which was a sent of the public of	athering, preparing II vary depending require to comple to the Chief Infon of Commerce, A TED FORMS TO ginia 22313-1450.	y, and submit upon the ind te this form mation Office lexandria, \footnote{\chi_0} THIS ADI	dividual and/or er, U.S. Virginia ORESS.			·	
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# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO	). 1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/707,550	10/707,550 12/20/2003		Eduard Torrens	04652	1549	
23688	7590	03/30/2004		EXAMINER		
Bruce E. Harang PO BOX 872735 VANCOUVER, WA 98687-2735			LEE, KY	LEE, KYUNG S		
		87-2735		ART UNIT	PAPER NUMBER	
				2832		
				DATE MAILED: 03/30/2004	<b>1</b>	

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)					
	10/707,550	TORRENS, EDUARD .					
Notice of Allowability	Examiner	Art Unit					
	Richard K. Lee	2832					
The MAILING DATE of this communication appeall claims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this a or other appropriate communicati GHTS. This application is subject	application. If not included on will be mailed in due course. THIS					
. X This communication is responsive to a paper filed 12/20/03	3.						
2. ☑ The allowed claim(s) is/are <u>1-5</u> .							
3. $igotimes$ The drawings filed on <u>12/20/03</u> are accepted by the Exami	ner.						
Acknowledgment is made of a claim for foreign priority ur     a) ☐ All b) ☐ Some* c) ☐ None of the:     1. ☐ Certified copies of the priority documents have	been received.						
<ul><li>2.  Certified copies of the priority documents have</li><li>3.  Copies of the certified copies of the priority documents</li></ul>	• • • • • • • • • • • • • • • • • • • •						
International Bureau (PCT Rule 17.2(a)).	cuments have been received in the	is national stage application from the					
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.							
5. A SUBSTITUTE OATH OR DECLARATION must be subm 'INFORMAL PATENT APPLICATION (PTO-152) which give							
6. CORRECTED DRAWINGS ( as "replacement sheets") mus							
(a) ☐ including changes required by the Notice of Draftspers		O-948) attached					
1)  hereto or 2)  to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	Office action of					
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t							
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s)  . ☑ Notice of References Cited (PTO-892)	5 Notice of Information	Patent Application (PTO-152)					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Informal Patent Application (PTO-15)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>Interview Summary (PTO-413),</li> </ol>							
B. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Date						
Paper No./Mail Date  .  Examiner's Comment Regarding Requirement for Deposit	8 🕅 Examiner's Stater	ment of Reasons for Allowance					
of Biological Material	9.  Other	1/ I I I I I I I I I I I I I I I I I I I					
Aux832 3/17/04	1.16 1.26	NAPONAPI GROWNER					

Application/Control Number: 10/707,550

Art Unit: 2832

#### REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Claims 1-5 are allowed over the prior art of record. Current invention claims an electrical switch having a button plate having three pairs of side pieces and a flexible membrane having three pairs of straight trapezoidal profile tabs. Each pair of side pieces inserted into a space formed between the pair of tabs for the switch to actuate six contact positions by the single switch. Such claimed structures, in combination with claimed limitations of claim 1, are neither disclosed nor suggested by the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please see the attached PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard K. Lee whose telephone number is (571) 272-1994. The examiner can normally be reached on Mon. to Fri. 6:00AM to 2:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2832

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard K. Lee

Examiner

Art Unit 2832

3/17/04